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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION of

Patent No. 6,740,415

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VAN BENTHEM et al.

Issued: May 25, 2004

JUL 26 2004

Application Serial No. 09/754,243

Group Art Unit: 1711

Filed: January 5, 2001

Examiner: Susan W. Berman

OFFICIAL

Title: POWDER PAINT BINDER COMPOSITION

\* \* \* \* \*

July 26, 2004

CERTIFICATION OF FACSIMILE TRANSMISSION  
UNDER 37 C.F.R. §1.8Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

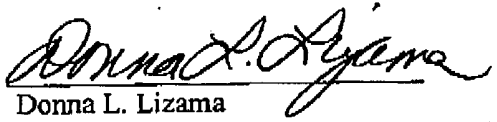
Sir:

I hereby certify that the following papers are being transmitted by facsimile to the  
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- Request for Certificate of Correction;
- Copy of Face of Patent with Error;
- Copy of Granted Decision;
- Certificate of Correction (3 copies); and
- Change of Address for Issued Patent.

Respectfully submitted,

By:

  
Donna L. LizamaMayer, Brown, Rowe & Maw LLP  
Intellectual Property Group  
1909 K Street  
Washington, D.C. 20006-1101

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REQUEST FOR CERTIFICATE OF CORRECTION  
UNDER 37 U.S.C. §254 AND PURSUANT  
TO 37 C.F.R. §1.322  
(PTO Mistake)Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:


It is respectfully requested that a Certificate of Correction be issued in the above-identified patent to correct an error which appears on the face of the Letters Patent. Specifically, under the (\*) Notice section, it is stated that "This patent is subject to a terminal disclaimer", when in fact a Petition to withdraw the Terminal Disclaimer was filed and **granted** on December 30, 2003. A copy of the Decision Granting Petition is attached hereto.

No fee accompanies this request in that it is submitted that the mistake was made by the U.S. Patent & Trademark Office during printing.

Respectfully submitted,

MAYER, BROWN, ROWE &amp; MAW LLP

By

  
Richard A. Steinberg  
Registration No. 26,588  
Telephone: (202) 263-3325Mayer, Brown, Rowe & Maw LLP  
Intellectual Property Group  
1909 K Street  
Washington, D.C. 20006-1101  
Customer No.: 000043569

PTO/SB/44 (04-04)

Approved for use through 04/30/2007. OMB 0651-0033

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**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

PATENT NO. : 6,740,415

DATED : May 25, 2004

INVENTOR(S) : VAN BENTHEM et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the face of the Letters Patent, in the (\*) Notice Section, please delete the following statement:

This patent is subject to a terminal disclaimer.

**MAILING ADDRESS OF SENDER:**

MAYER, BROWN, ROWE & MAW LLP  
Intellectual Property Group, 1909 K Street, NW  
Washington, D.C. 20006-1101

PATENT NO. 6,740,415

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If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



US006740415B2

(12) **United States Patent**  
**Van Benthem et al.**

(10) **Patent No.:** **US 6,740,415 B2**  
 (45) **Date of Patent:** **\*May 25, 2004**

(54) **POWDER PAINT BINDER COMPOSITION**

(56) **References Cited**

(75) **Inventors:** **Rudolfus A. T. M. Van Benthem,**  
**Sittard (NL); Saskia Udding-Louwrier,**  
**Zwolle (NL); Johan F. G. A. Jansen,**  
**Geleen (NL); Aylvin J. A. A. Dias,**  
**Maastricht (NL)**

(73) **Assignee:** **DSM N.V., Heerlen (NL)**

(\*) **Notice:** **Subject to any disclaimer, the term of this**  
**patent is extended or adjusted under 35**  
**U.S.C. 154(b) by 0 days.**

**This patent is subject to a terminal dis-**  
**claimer.**

(21) **Appl. No.:** **09/754,243**

(22) **Filed:** **Jan. 5, 2001**

(65) **Prior Publication Data**

**US 2001/0007010 A1 Jul. 5, 2001**

**Related U.S. Application Data**

(63) **Continuation of application No. PCT/NL99/04408, filed on**  
**Jun. 30, 1999.**

(30) **Foreign Application Priority Data**

**Jul. 6, 1998 (EP) ..... 98202239**

(51) **Int. CL<sup>7</sup>** ..... **C09D 4/00; C09D 167/06;**  
**C08F 220/36; C08F 2/50; C07C 233/00**

(52) **U.S. CL** ..... **428/425.1; 428/435.8;**  
**428/457; 428/458; 428/460; 428/474.4;**  
**428/479.6; 428/480; 428/481; 428/511;**  
**522/111; 522/137; 528/65; 528/288; 528/354;**  
**528/367**

(58) **Field of Search** ..... **522/152, 116,**  
**522/117, 136, 137, 148, 149, 173, 90, 96,**  
**100, 103, 104, 107, 111, 88, 89, 97; 428/425.1,**  
**425.8, 457, 458, 460, 474.4, 479.6, 480,**  
**481, 511; 528/65, 288, 354, 367**

**U.S. PATENT DOCUMENTS**

3,366,613 A	1/1968	Kelley	
3,928,499 A	* 12/1975	Tonalia et al.	525/296
4,126,747 A	* 11/1978	Cowherd et al.	544/388
4,209,581 A	* 6/1980	Takanashi et al.	430/283.1
4,656,202 A	* 4/1987	Nason et al.	428/425.1
4,665,123 A	* 5/1987	Goldenberg	525/59
4,910,268 A	* 3/1990	Kobayashi	
4,912,239 A	* 3/1990	Bank et al.	536/401
5,266,628 A	11/1993	Essary et al.	
5,360,836 A	11/1994	Chevallier et al.	
5,629,359 A	5/1997	Peeters et al.	
6,245,829 B1	* 6/2001	Meij et al.	522/173
6,437,016 B2	* 8/2002	Jansen et al.	522/175
6,479,587 B1	* 11/2002	Stockinger et al.	525/131

**FOREIGN PATENT DOCUMENTS**

EP	0 263 749 A1	* 4/1988
EP	0525601	2/1993
JP	03-336122	11/1991
JP	5148429	6/1993
WO	WO9833855	8/1998

\* cited by examiner

**Primary Examiner—Susan Berman**

(74) **Attorney, Agent, or Firm—Pillsbury Winthrop LLP**

(57) **ABSTRACT**

The invention relates to a radiation curable powder paint binder composition comprising a radiation curable compound being a mono or multi valent carboxylic ester of a  $\beta$ ,  $\gamma$ ,  $\delta$ , or  $\epsilon$ -hydroxyalkylamide group containing compound, in which the carboxylic ester is derived from an  $\alpha$ ,  $\beta$ -ethylenically unsaturated carboxylic acid.

**19 Claims, No Drawings**